

Title (en)

OPTICAL SHAPING APPARATUS AND OPTICAL SHAPING METHOD

Title (de)

OPTISCHE FORMUNGSVORRICHTUNG UND OPTISCHES FORMUNGSVERFAHREN

Title (fr)

APPAREIL DE FAÇONNAGE OPTIQUE ET PROCÉDÉ DE FAÇONNAGE OPTIQUE

Publication

EP 3495116 A4 20200311 (EN)

Application

EP 17837112 A 20170804

Priority

- JP 2016154449 A 20160805
- JP 2017028468 W 20170804

Abstract (en)

[origin: EP3495116A1] A photocurable composition is supplied onto an auxiliary table provided to be capable of being adjacent to a fabrication table. One of the fabrication table and the auxiliary table is moved relative to the other one of the fabrication table and the auxiliary table in an up-and-down direction. The photocurable composition that has been supplied to the auxiliary table is drawn and spread by a recoater on a fabrication surface of the fabrication table or on a cured composition layer. The photocurable composition on the fabrication surface of the fabrication table is exposed by an exposure device, so that a cured composition layer is formed.

IPC 8 full level

B29C 64/124 (2017.01); **B29C 64/20** (2017.01); **B29C 64/205** (2017.01); **B29C 64/214** (2017.01); **B29C 64/232** (2017.01); **B29C 64/35** (2017.01); **B33Y 10/00** (2015.01); **B33Y 30/00** (2015.01); **B33Y 40/00** (2020.01)

CPC (source: EP KR US)

B29C 64/124 (2017.07 - EP KR); **B29C 64/20** (2017.07 - US); **B29C 64/205** (2017.07 - EP US); **B29C 64/209** (2017.07 - KR); **B29C 64/214** (2017.07 - EP); **B29C 64/232** (2017.07 - EP); **B29C 64/245** (2017.07 - KR); **B29C 64/264** (2017.07 - KR); **B29C 64/35** (2017.07 - KR US); **B29C 64/386** (2017.07 - KR); **B29D 11/0073** (2013.01 - US); **B33Y 10/00** (2014.12 - US); **B33Y 30/00** (2014.12 - US); **B33Y 40/00** (2014.12 - EP KR US); **B33Y 50/00** (2014.12 - KR); **B29C 64/245** (2017.07 - EP); **B33Y 10/00** (2014.12 - EP); **B33Y 30/00** (2014.12 - EP)

Citation (search report)

- [XYI] JP H08230047 A 19960910 - MATSUSHITA ELECTRIC WORKS LTD
- [XYI] EP 1270185 A1 20030102 - 3D SYSTEMS INC [US] & JP 2003053847 A 20030226 - 3 D SYSTEMS INC
- [Y] JP 2014226780 A 20141208 - CMET INC
- See references of WO 2018026011A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3495116 A1 20190612; **EP 3495116 A4 20200311**; CN 109562568 A 20190402; CN 109562568 B 20211022; JP 2018020521 A 20180208; JP 6438919 B2 20181219; KR 101980510 B1 20190521; KR 20190031323 A 20190325; US 11254049 B2 20220222; US 2019160743 A1 20190530; WO 2018026011 A1 20180208

DOCDB simple family (application)

EP 17837112 A 20170804; CN 201780048687 A 20170804; JP 2016154449 A 20160805; JP 2017028468 W 20170804; KR 20197006388 A 20170804; US 201716323439 A 20170804